

L Number	Hits	Search Text	DB	Time stamp
1	3098	(dry with (semiconductor near2 manufactur\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 15:03
2	10	((dry with (semiconductor near2 manufactur\$3))) and (700/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 16:01
3	1	((dry with (semiconductor near2 manufactur\$3))) and (703/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 16:19
4	0	6049661.URPN.	USPAT	2004/01/22 16:05
5	4	("4938996" "5204141" "5230924" "5858476").PN.	USPAT	2004/01/22 16:05
6	0	6049661.pn. and (laser or pulse or light or UV)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 16:19
7	0	6049661.pn. and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or (plasma near2 (scan\$4 or chamber)) or (photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti or titanium or (titanium adj oxide) or (photo adj process\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 16:21
8	0	6049661.pn. and (light)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 16:21
9	0	6049661.pn. and (flourine)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 18:34
10	1	6049661.pn. and (fluorine)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 16:26
11	1	6049661.pn. and (plasma)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 16:43
12	11	uvtech.as.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 16:45
13	2	uvtech.as. and (model\$4 or simulat\$3 or emulat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 16:45
14	2	uvtech.as. and (model\$4 or simulat\$4 or emulat\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 16:45

15	19535	(model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (reactive near2 etch\$3) or (photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti or titanium or (titanium adj oxide) or (photo adj process\$3) or (react\$4 near2 chamber) or IR or (infrared))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 18:15
16	72438	(model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (reactive near2 etch\$3) or (photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti or titanium or (titanium adj oxide) or (photo adj process\$3) or (react\$4 near2 (chamber or gas)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 19:55
17	711	((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (reactive near2 etch\$3) or (photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti or titanium or (titanium adj oxide) or (photo adj process\$3) or (react\$4 near2 (chamber or gas)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (703/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 18:37
18	40	((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (reactive near2 etch\$3) or (photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti or titanium or (titanium adj oxide) or (photo adj process\$3) or (react\$4 near2 (chamber or gas)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (703/\$.ccls.)) and dry	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 18:20
19	36	((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (reactive near2 etch\$3) or (photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti or titanium or (titanium adj oxide) or (photo adj process\$3) or (react\$4 near2 (chamber or gas)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (703/\$.ccls.)) and dry) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (reactive near2 etch\$3) or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or (react\$4 near2 (chamber or gas)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 18:31

20	36	(((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (reactive near2 etch\$3) or (photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti or titanium or (titanium adj oxide) or (photo adj process\$3) or (react\$4 near2 (chamber or gas)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (703/\$.ccls.)) and dry) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (reactive near2 etch\$3) or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 18:31
21	1	6049661.pn. and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (reactive near2 etch\$3) or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 18:34
22	35	(((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (reactive near2 etch\$3) or (photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti or titanium or (titanium adj oxide) or (photo adj process\$3) or (react\$4 near2 (chamber or gas)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (703/\$.ccls.)) and dry) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 18:37
23	676	(((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (reactive near2 etch\$3) or (photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti or titanium or (titanium adj oxide) or (photo adj process\$3) or (react\$4 near2 (chamber or gas)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (703/\$.ccls.)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 19:57

24	18	(((((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (reactive near2 etch\$3) or (photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti or titanium or (titanium adj oxide) or (photo adj process\$3) or (react\$4 near2 (chamber or gas)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (703/\$.ccls.)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (703/12.ccls.))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 18:38
25	70794	(model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (reactive near2 etch\$3) or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 19:55
26	70831	(model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 22:28
28	3600	(703/2,12.ccls.) or (700/97,121,166,268.ccls.) or (385/141.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 20:55
29	2183	((703/2,12.ccls.) or (700/97,121,166,268.ccls.) or (385/141.ccls.)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 22:29
30	326	((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((703/2,12.ccls.) or (700/97,121,166,268.ccls.) or (385/141.ccls.)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 19:57

31	308	<p>((((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((703/2,12.ccls.) or (700/97,121,166,268.ccls.) or (385/141.ccls.)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)))) not (((((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (reactive near2 etch\$3) or (photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti or titanium or (titanium adj oxide) or (photo adj process\$3) or (react\$4 near2 (chamber or gas)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (703/\$.ccls.)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (703/12.ccls.))</p>	<p>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</p>	2004/01/22 19:58
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32	87	<p>(((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((703/2,12.ccls.) or (700/97,121,166,268.ccls.) or (385/141.ccls.)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3))) not (((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (reactive near2 etch\$3) or (photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti or titanium or (titanium adj oxide) or (photo adj process\$3) or (react\$4 near2 (chamber or gas)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (703/\$.ccls.)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (703/12.ccls.))) and (etch\$3 or (material\$2 near remov\$3))</p>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 20:06
33	2121	<p>((703/2,12.ccls.) or (700/97,121,166,268.ccls.) or (385/141.ccls.)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or beam or laser or puls\$3)</p>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 20:35

34	38	(((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((703/2,12.ccls.) or (700/97,121,166,268.ccls.) or (385/141.ccls.)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3))) not (((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (reactive near2 etch\$3) or (photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti or titanium or (titanium adj oxide) or (photo adj process\$3) or (react\$4 near2 (chamber or gas)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (703/\$.ccls.)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (703/12.ccls.))) and ((etch\$3 or (material\$2 near remov\$3)) same (gas or vapor or CVD or (chemical adj vapor)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 20:07
37	22	5590051.URPN.	USPAT	2004/01/22 20:21
38	22	5590051.URPN.	USPAT	2004/01/22 20:25
39	4290	fluence	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 20:27
40	2	20020143508.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 20:27
41	1	fluence and 20020143508.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 20:27
42	8	5590051.URPN. and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or beam or laser or puls\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 20:35
43	4	(model\$4 or simulat\$3 or CAD or emulat\$3) and 5590051.URPN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 20:36

44	194	((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((material or rate) near2 (etched or remov\$3)) and (removal near4 efficien\$3)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 20:54
45	187	(((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((material or rate) near2 (etched or remov\$3)) and (removal near4 efficien\$3)))) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 20:54
46	113	(((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((material or rate) near2 (etched or remov\$3)) and (removal near4 efficien\$3)))) and (ultraviolet\$2 or (ultra adj violet\$2) or UV)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 20:46
47	311	((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((material or rate) near2 (etched or remov\$3)) and (remov\$3 near4 efficien\$3)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 21:22
48	299	(((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((material or rate) near2 (etched or remov\$3)) and (remov\$3 near4 efficien\$3)))) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 20:59

49	186	(((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((material or rate) near2 (etched or remov\$3)) and (remov\$3 near4 efficien\$3))) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) not (((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((material or rate) near2 (etched or remov\$3)) and (removal near4 efficien\$3))) and (ultraviolet\$2 or (ultra adj violet\$2) or UV))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 20:57
50	3	((703/\$.ccls.) or (700/\$.ccls.) or (385/\$.ccls.)) and (((((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((material or rate) near2 (etched or remov\$3)) and (remov\$3 near4 efficien\$3))) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) not (((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((material or rate) near2 (etched or remov\$3)) and (removal near4 efficien\$3))) and (ultraviolet\$2 or (ultra adj violet\$2) or UV)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 21:40

51	183	<p>(((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((material or rate) near2 (etched or remov\$3)) and (remov\$3 near4 efficien\$3))) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) not (((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((material or rate) near2 (etched or remov\$3)) and (removal near4 efficien\$3))) and (ultraviolet\$2 or (ultra adj violet\$2) or UV))) not (((703/\$.ccls.) or (700/\$.ccls.) or (385/\$.ccls.) and (((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((material or rate) near2 (etched or remov\$3)) and (remov\$3 near4 efficien\$3))) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) not (((model\$4 or simulat\$3 or CAD or emulat\$3) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((material or rate) near2 (etched or remov\$3)) and (removal near4 efficien\$3))) and (ultraviolet\$2 or (ultra adj violet\$2) or UV)))</p> <p>(CFD Research).as.</p>	<p>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</p>	2004/01/22 20:58
52	71484		<p>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</p>	2004/01/22 20:59

53	34423	((CFD Research).as.) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 21:22
54	2074	(model\$4 or simulat\$3 or CAD or emulat\$3) with (RIE or etch\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 21:22
55	4806	(model\$4 or simulat\$3 or CAD or emulat\$3) same (RIE or etch\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 21:38
56	3529	((model\$4 or simulat\$3 or CAD or emulat\$3) same (RIE or etch\$3)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 22:21
57	38	((model\$4 or simulat\$3 or CAD or emulat\$3) same (RIE or etch\$3)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((material or rate) near2 (etched or remov\$3)) and (remov\$3 near4 efficien\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 21:39
58	394657	(model\$4 or simulat\$3 or CAD or emulat\$3) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 22:28
59	1929	((model\$4 or simulat\$3 or CAD or emulat\$3) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((material or rate) near2 (etched or remov\$3)) and (remov\$3 near4 efficien\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 21:39
60	278	((model\$4 or simulat\$3 or CAD or emulat\$3) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((material or rate) near2 (etched or remov\$3)) and (remov\$3 near4 efficien\$3)) and etch\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 21:57

61	35	((703/\$.ccls.) or (700/\$.ccls.) or (385/\$.ccls.) or (438/\$.ccls.)) and (((model\$4 or simulat\$3 or CAD or emulat\$3) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((material or rate) near2 (etched or remov\$3)) and (remov\$3 near4 efficien\$3)) and etch\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 22:25
62	27	((703/\$.ccls.) or (700/\$.ccls.) or (385/\$.ccls.) or (438/\$.ccls.)) and (((model\$4 or simulat\$3 or CAD or emulat\$3) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((material or rate) near2 (etched or remov\$3)) and (remov\$3 near4 efficien\$3)) and etch\$3)) not (((model\$4 or simulat\$3 or CAD or emulat\$3) same (RIE or etch\$3)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((material or rate) near2 (etched or remov\$3)) and (remov\$3 near4 efficien\$3)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 21:40
63	2	((model\$4 or simulat\$3 or CAD or emulat\$3) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and (((material or rate) near2 (etched or remov\$3)) and (remov\$3 near4 efficien\$3)) and dry-etch\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 21:57
64	29	(model\$4 or simulat\$3 or CAD or emulat\$3) same (((material or rate) near2 (etched or remov\$3)) and (remov\$3 near4 efficien\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 22:24
65	21	((model\$4 or simulat\$3 or CAD or emulat\$3) same (((material or rate) near2 (etched or remov\$3)) and (remov\$3 near4 efficien\$3))) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 22:24
66	448	(model\$4 or simulat\$3 or CAD or emulat\$3) same (remov\$3 near4 efficien\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 22:24
67	467	(model\$4 or simulat\$3 or CAD or emulat\$3) same ((remov\$3 or etch\$3) near4 efficien\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 22:29

68	259	((model\$4 or simulat\$3 or CAD or emulat\$3) same ((remov\$3 or etch\$3) near4 efficien\$3)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 22:24
69	20	((703/\$.ccls.) or (700/\$.ccls.) or (385/\$.ccls.) or (438/\$.ccls.)) and (((model\$4 or simulat\$3 or CAD or emulat\$3) same ((remov\$3 or etch\$3) near4 efficien\$3)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 22:30
70	1569	((model\$4 or simulat\$3 or CAD or emulat\$3) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and fluence	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 23:00
71	127527	(model\$4 or simulat\$3 or CAD or emulat\$3) same ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 22:29
72	123731	((model\$4 or simulat\$3 or CAD or emulat\$3) same ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 22:29

73	1995	((((model\$4 or simulat\$3 or CAD or emulat\$3) same ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and ((remov\$3 or etch\$3) near4 efficien\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 22:33
74	131	((((703/\$.ccls.) or (700/\$.ccls.) or (385/\$.ccls.) or (438/\$.ccls.)) and (((model\$4 or simulat\$3 or CAD or emulat\$3) same ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and ((remov\$3 or etch\$3) near4 efficien\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 23:01
75	116	((((703/\$.ccls.) or (700/\$.ccls.) or (385/\$.ccls.) or (438/\$.ccls.)) and (((model\$4 or simulat\$3 or CAD or emulat\$3) same ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and ((remov\$3 or etch\$3) near4 efficien\$3))) not (((703/\$.ccls.) or (700/\$.ccls.) or (385/\$.ccls.) or (438/\$.ccls.)) and (((model\$4 or simulat\$3 or CAD or emulat\$3) same ((remov\$3 or etch\$3) near4 efficien\$3)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 22:30

76	100	(((model\$4 or simulat\$3 or CAD or emulat\$3) same ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and ((model\$4 or simulat\$3 or CAD or emulat\$3) same ((remov\$3 or etch\$3) near4 efficien\$3)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 22:40
77	100	(((model\$4 or simulat\$3 or CAD or emulat\$3) same ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and ((model\$4 or simulat\$3 or CAD or emulat\$3) same ((remov\$3 or etch\$3) near4 efficien\$3))) not (((703/\$.ccls.) or (700/\$.ccls.) or (385/\$.ccls.) or (438/\$.ccls.)) and (((model\$4 or simulat\$3 or CAD or emulat\$3) same ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and ((remov\$3 or etch\$3) near4 efficien\$3))) not (((703/\$.ccls.) or (700/\$.ccls.) or (385/\$.ccls.) or (438/\$.ccls.)) and (((model\$4 or simulat\$3 or CAD or emulat\$3) same ((remov\$3 or etch\$3) near4 efficien\$3)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3))))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 22:40


78	116	<p>(((703/\$.ccls.) or (700/\$.ccls.) or (385/\$.ccls.) or (438/\$.ccls.)) and (((model\$4 or simulat\$3 or CAD or emulat\$3) same ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and ((remov\$3 or etch\$3) near4 efficien\$3))) not (((703/\$.ccls.) or (700/\$.ccls.) or (385/\$.ccls.) or (438/\$.ccls.)) and (((model\$4 or simulat\$3 or CAD or emulat\$3) same ((remov\$3 or etch\$3) near4 efficien\$3)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)))) not (((model\$4 or simulat\$3 or CAD or emulat\$3) same ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and ((model\$4 or simulat\$3 or CAD or emulat\$3) same ((remov\$3 or etch\$3) near4 efficien\$3)))</p>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 22:40
79	1185	<p>(((model\$4 or simulat\$3 or CAD or emulat\$3) same ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and ((model\$4 or simulat\$3 or CAD or emulat\$3) same ((remov\$3 or etch\$3) near4 efficien\$3)))</p>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 23:01

80	87	((703/\$.ccls.) or (700/\$.ccls.) or (385/\$.ccls.) or (438/\$.ccls.)) and (((model\$4 or simulat\$3 or CAD or emulat\$3) same ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or plasma or PECVD or PCVD or SLCVD or LCVD or RIE or (photo adj cataly\$3) or photocataly\$3 or titanium or (photo adj process\$3) or (react\$4 near2 (chamber or gas or etch\$3 or vapor)) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or SLCVD or LCVD or (photo adj cataly\$3) or photocataly\$3 or (photo adj process\$3) or IR or (infrared) or photoreact\$4 or (photo adj react\$4) or photoinduc\$3 or (photo adj induc\$3) or light or radiation or beam or laser or puls\$3)) and fluence)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 23:01
81	17	5523543.URPN.	USPAT	2004/01/22 23:30
-	7	736073.ap.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 15:02
-	1	20020143508.pn. and plasma	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 20:02
-	161	((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or (plasma near2 scan\$4)) with (react\$3) with (model\$5 or simulat\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 20:15
-	160	((photo-catalytic\$4) or photocatalytic\$4 or (photo-cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra-violet\$2) or UV or photochemical\$2 or (photo-chemical\$2) or (plasma near2 scan\$4)) with (react\$3) with (model\$5 or simulat\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 20:15
-	161	((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or (plasma near2 scan\$4)) with (react\$3) with (model\$5 or simulat\$4)) or (((photo-catalytic\$4) or photocatalytic\$4 or (photo-cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra-violet\$2) or UV or photochemical\$2 or (photo-chemical\$2) or (plasma near2 scan\$4)) with (react\$3) with (model\$5 or simulat\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 20:14
-	198	((photo-catalytic\$4) or photocatalytic\$4 or (photo-cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra-violet\$2) or UV or photochemical\$2 or (photo-chemical\$2) or (plasma near2 scan\$4)) with (react\$4) with (model\$5 or simulat\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 20:15
-	11532	laser with (model\$5 or simulat\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 21:13
-	26830	laser with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or (plasma near2 scan\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 21:06
-	1462	(laser with (model\$5 or simulat\$4)) and (laser with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or (plasma near2 scan\$4)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 20:19


-	199	((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or (plasma near2 scan\$4)) with (react\$4) with (model\$5 or simulat\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 20:56
-	2	((((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or (plasma near2 scan\$4)) with (react\$4) with (model\$5 or simulat\$4)) and (438/\$.ccls. or 700/\$.ccls. or 703/\$.ccls.))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 20:22
-	13	("3833814" "3921788" "4300272" "4775789" "5001352" "5004924" "5023187" "5083030" "5164599" "5171525" "5432345" "5814156" "6254689").PN.	USPAT	2004/01/21 20:29
-	14	5790934.URPN.	USPAT	2004/01/21 20:40
-	19	("4788038" "4892712" "4954465" "4966759" "5032241" "5035784" "5045288" "5069885" "5116582" "5126111" "5227053" "5246737" "5259854" "5292479" "5330722" "5427503" "5449443" "5516492" "5616532").PN.	USPAT	2004/01/21 20:43
-	33	((photo adj cataly\$3) or photocataly\$3) with (react\$4) with (model\$5 or simulat\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 20:55
-	78	((photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti) with (react\$4) with (model\$5 or simulat\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 21:00
-	78	((((photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti) with (react\$4) with (model\$5 or simulat\$4)) not "L49"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 20:56
-	46	((((photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti) with (react\$4) with (model\$5 or simulat\$4)) not (((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or (plasma near2 scan\$4)) with (react\$4) with (model\$5 or simulat\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 21:09
-	103	((photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti or titanium or (titanium adj oxide)) with (react\$4) with (model\$5 or simulat\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 21:01
-	33356	laser with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or (plasma near2 scan\$4) or (photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti or titanium or (titanium adj oxide))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 21:06
-	38698	(laser or pulse\$2) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or (plasma near2 scan\$4) or (photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti or titanium or (titanium adj oxide))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/22 14:48
-	149	(laser or pulse\$2) with (model\$5 or simulat\$4) with react\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 21:08

-	22	((laser or pulse\$2) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or (plasma near2 scan\$4) or (photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti or titanium or (titanium adj oxide))) and ((laser or pulse\$2) with (model\$5 or simulat\$4) with react\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 21:08
-	14	((((laser or pulse\$2) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or (plasma near2 scan\$4) or (photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti or titanium or (titanium adj oxide))) and ((laser or pulse\$2) with (model\$5 or simulat\$4) with react\$4)) not (((photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti) with (react\$4) with (model\$5 or simulat\$4)) not (((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or (plasma near2 scan\$4)) with (react\$4) with (model\$5 or simulat\$4))) or (((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or (plasma near2 scan\$4)) with (react\$4) with (model\$5 or simulat\$4)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 21:14
-	1708	(laser or pulse\$2) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or (plasma near2 scan\$4) or (photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti or titanium or (titanium adj oxide)) with react\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 21:13
-	66	(laser with (model\$5 or simulat\$4)) and ((laser or pulse\$2) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or (plasma near2 scan\$4) or (photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti or titanium or (titanium adj oxide)) with react\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 21:13
-	23888	(laser or pulse\$2) with (model\$5 or simulat\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 21:13
-	74	((laser or pulse\$2) with (model\$5 or simulat\$4)) and ((laser or pulse\$2) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or (plasma near2 scan\$4) or (photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti or titanium or (titanium adj oxide)) with react\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 21:13

-	59	(((laser or pulse\$2) with (model\$5 or simulat\$4)) and ((laser or pulse\$2) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or (plasma near2 scan\$4) or (photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti or titanium or (titanium adj oxide)) with react\$4)) not (((laser or pulse\$2) with ((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or (plasma near2 scan\$4) or (photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti or titanium or (titanium adj oxide))) and ((laser or pulse\$2) with (model\$5 or simulat\$4) with react\$4)) not (((photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti) with (react\$4) with (model\$5 or simulat\$4)) not (((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or (plasma near2 scan\$4)) with (react\$4) with (model\$5 or simulat\$4))) or (((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or (plasma near2 scan\$4)) with (react\$4) with (model\$5 or simulat\$4))) or (((photo adj cataly\$3) or photocataly\$3 or tio or zno or catio or sno or moo or feo or wo or nbo or sic or ti) with (react\$4) with (model\$5 or simulat\$4)) not (((photo adj catalytic\$4) or photocatalytic\$4 or (photo adj cataliz\$5) or photocataliz\$5 or ultraviolet\$2 or (ultra adj violet\$2) or UV or photochemical\$2 or (photo adj chemical\$2) or (plasma near2 scan\$4)) with (react\$4) with (model\$5 or simulat\$4)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/21 21:14
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ul·tra·vi·o·let

(click to hear the word) (ul'trə-vī'ə-līt)

adj. Abbr. UV

Of or relating to the range of invisible radiation wavelengths from about 4 nanometers, on the border of the x-ray region, to about 380 nanometers, just beyond the violet in the visible spectrum.

n.

Ultraviolet light or the ultraviolet part of the spectrum.

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photoallergen (pho-to-al-ler-gen) (fo"to-al'[schwa]r-j[schwa]n) an agent that elicits an allergic response to light.

photoallergic (pho-to-al-ler-gic) (fo"to-[schwa]-ler'jik) pertaining to, characterized by, or producing photoallergy.

photoallergy (pho-to-al-ler-gy) (fo"to-al'[schwa]r-je) [*photo-* + *allergy*] a delayed immunologic type of photosensitivity involving a chemical substance to which the individual has become previously sensitized and radiant energy. See also photoallergic contact dermatitis, under *dermatitis*. Cf. phototoxicity.

photoautotroph (pho-to-au-to-troph) (fo"to-aw'to-tr[omacr]f) a photoautotrophic organism.

photoautotrophic (pho-to-au-to-troph-ic) (fo"to-aw'to-tr[omacr]fik) requiring for growth only inorganic compounds with carbon dioxide as the sole source of carbon (autotrophic) and deriving energy from photosynthesis; said of algae and certain photosynthetic bacteria.

photobacteria (pho-to-bac-te-ria) (fo"to-bak-t[emacr]r'e-[schwa]) [*photo-* + *bacteria*] bacteria that derive energy from light by the process of photosynthesis. See also Oxyphotobacteria.

photobiologic, photobiological (pho-to-bi-o-log-ic, pho-to-bi-o-log-i-cal) (fo"to-bi'[schwa]-loj'ik, fo"to-bi'[schwa]-loj'[ibreve]-k[schwa]l) pertaining to photobiology or to the effect of light on living organisms.

photobiology (pho-to-bi-ol-o-gy) (fo"to-bi-ol'[schwa]-je) [*photo-* + *biology*] that department of biology which deals with the effect of light on living organisms, including the study of photosynthesis.

photobiotic (pho-to-bi-ot-ic) (fo"to-bi-ot'ik) [*photo-* + *biotic*] living or thriving only in the light; said of certain organisms such as green plants.

photocatalysis (pho-to-ca-tal-y-sis) (fo"to-k[schwa]-tal'[ibreve]-sis) the promotion or stimulation of a reaction by light.

photocatalyst (pho-to-cat-a-lyst) (fo"to-kat'[schwa]-list) a substance by means of which sunlight is utilized, as chlorophyll in the photosynthesis of carbohydrates by green plants.

photocatalytic (pho-to-cat-a-lyt-ic) (fo"to-kat'[schwa]-lit'ik) promoted or stimulated by light; pertaining to, characterized by, or causing photocatalysis.

photocatalyzer (pho-to-cat-a-lyz-er) (fo"to-kat'[schwa]-l[imacr]z'[schwa]r) photocatalyst.

photoceptor (pho-to-cep-tor) (fo"to-sep'tor) photoreceptor.

photochemical (pho-to-chem-i-cal) (fo"to-kem'[schwa]-k[schwa]l) pertaining to the chemical properties of light; chemically reactive in the presence of light or other radiation.

photochemistry (pho-to-chem-is-try) (fo"to-kem'is-tre) [*photo-* + *chemistry*] the branch of chemistry which deals with the chemical properties or effects of light rays or other radiation.

photochemotherapy (pho-to-che-mo-ther-a-py) (fo"to-ke"mo-ther'[schwa]-pe) 1. treatment by means of drugs (e.g., methoxsalen) that react to ultraviolet radiation or sunlight. 2. photodynamic therapy.

photochromogen (pho-to-chro-mo-gen) (fo"to-kro'm[schwa]-j[schwa]n) [*photo-* + *chromo-* + *-gen*] a microorganism whose pigmentation develops as a result of exposure to light, e.g., *Mycobacterium kansasii* (pathogenic for man), which is yellow-orange if grown in the light, and almost colorless if grown in the dark. See also nontuberculous mycobacteria, under *mycobacterium*.

photochromogenic (pho-to-chro-mo-gen-ic) (fo"to-kro'm[schwa]-jen'ik) pertaining to or characterized by photochromogenicity.

photochromogenicity (pho-to-chro-mo-ge-nic-i-ty) (fo"to-kro'm[schwa]-j[schwa]-nis'[ibreve]-te) the property of microorganisms of forming pigment consequent to light exposure; induction occurs within a few

fluence: refers to the energy density from an optical source impinging on a sample. The higher the energy density, the higher the fluence.